
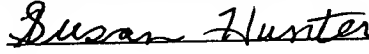


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2001				Complete if Known																																																																																																																																																																																															
Patent fees are subject to annual revision.				Application Number	Not Yet Assigned																																																																																																																																																																																														
				Filing Date	May 22, 2001																																																																																																																																																																																														
				First Named Inventor	Richard A. Lewis et al.																																																																																																																																																																																														
				Examiner Name	Not Yet Assigned																																																																																																																																																																																														
				Group Art Unit	N/A																																																																																																																																																																																														
				Attorney Docket No.	P01961US1 (10012778/OTA00-63)																																																																																																																																																																																														
TOTAL AMOUNT OF PAYMENT		(\$)		2766.00																																																																																																																																																																																															
METHOD OF PAYMENT			FEE CALCULATION (continued)																																																																																																																																																																																																
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number: 06-2375 (order 10012778) Deposit Account Name: Fulbright & Jaworski L.L.P. <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27			3. ADDITIONAL FEES <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37CFR 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="6">Other fee (specify) _____</td></tr> <tr> <td colspan="4" style="text-align: right;">*Reduced by Basic Filing Fee Paid</td> <td colspan="2" style="text-align: right;">SUBTOTAL (3) (\$)</td> </tr> </tbody> </table>			Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet.		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for ex parte reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	390	216	195	Extension for reply within second month		117	890	217	445	Extension for reply within third month		118	1,390	218	695	Extension for reply within fourth month		128	1,890	228	945	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,240	241	620	Petition to revive - unintentional		142	1,240	242	620	Utility issue fee (or reissue)		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Processing fee under 37 CFR 1.17(q)		126	180	126	180	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))		149	710	249	355	For each additional invention to be examined (37CFR 1.129(b))		179	710	279	355	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application		Other fee (specify) _____						*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$)	
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																														
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																															
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																															
139	130	139	130	Non-English specification																																																																																																																																																																																															
147	2,520	147	2,520	For filing a request for ex parte reexamination																																																																																																																																																																																															
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																															
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																															
115	110	215	55	Extension for reply within first month																																																																																																																																																																																															
116	390	216	195	Extension for reply within second month																																																																																																																																																																																															
117	890	217	445	Extension for reply within third month																																																																																																																																																																																															
118	1,390	218	695	Extension for reply within fourth month																																																																																																																																																																																															
128	1,890	228	945	Extension for reply within fifth month																																																																																																																																																																																															
119	310	219	155	Notice of Appeal																																																																																																																																																																																															
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																															
121	270	221	135	Request for oral hearing																																																																																																																																																																																															
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																															
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																															
141	1,240	241	620	Petition to revive - unintentional																																																																																																																																																																																															
142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																																															
143	440	243	220	Design issue fee																																																																																																																																																																																															
144	600	244	300	Plant issue fee																																																																																																																																																																																															
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																															
123	50	123	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																															
126	180	126	180	Submission of Information Disclosure Stmt																																																																																																																																																																																															
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																															
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																															
149	710	249	355	For each additional invention to be examined (37CFR 1.129(b))																																																																																																																																																																																															
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																																															
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																															
Other fee (specify) _____																																																																																																																																																																																																			
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$)																																																																																																																																																																																															
2. <input type="checkbox"/> Payment Enclosed <input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other																																																																																																																																																																																																			
FEE CALCULATION																																																																																																																																																																																																			
1. BASIC FILING FEE <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>710.00</td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (1)</td> <td colspan="2" style="text-align: right;">(\$) 710.00</td> </tr> </tbody> </table>			Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	101	710	201	355	Utility filing fee	710.00	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1)				(\$) 710.00																																																																																																																																																				
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																														
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																
101	710	201	355	Utility filing fee	710.00																																																																																																																																																																																														
106	320	206	160	Design filing fee																																																																																																																																																																																															
107	490	207	245	Plant filing fee																																																																																																																																																																																															
108	710	208	355	Reissue filing fee																																																																																																																																																																																															
114	150	214	75	Provisional filing fee																																																																																																																																																																																															
SUBTOTAL (1)				(\$) 710.00																																																																																																																																																																																															
2. EXTRA CLAIM FEES <table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2"></th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>57</td> <td>-20** = 37</td> <td>X 18</td> <td>= 666.00</td> </tr> <tr> <td>Independent Claims</td> <td>17</td> <td>-3** = 14</td> <td>X 80</td> <td>= 1120.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td>270</td> <td>= 270.00</td> </tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (2)</td> <td style="text-align: right;">(\$) 2056.00</td> </tr> </tbody> </table>					Extra Claims	Fee from below	Fee Paid	Total Claims	57	-20** = 37	X 18	= 666.00	Independent Claims	17	-3** = 14	X 80	= 1120.00	Multiple Dependent			270	= 270.00	SUBTOTAL (2)				(\$) 2056.00																																																																																																																																																																								
		Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																															
Total Claims	57	-20** = 37	X 18	= 666.00																																																																																																																																																																																															
Independent Claims	17	-3** = 14	X 80	= 1120.00																																																																																																																																																																																															
Multiple Dependent			270	= 270.00																																																																																																																																																																																															
SUBTOTAL (2)				(\$) 2056.00																																																																																																																																																																																															
<table border="1" style="width: 100%; border-collapse: collapse; font-size: 0.8em;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td></tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (2)</td> <td style="text-align: right;">(\$) 2056.00</td> </tr> </tbody> </table>			Large Entity		Small Entity		Fee Description	Fee Code	Fee (\$)	Fee Code	Fee (\$)	103	18	203	9	Claims in excess of 20	102	80	202	40	Independent claims in excess of 3	104	270	204	135	Multiple dependent claim, if not paid	109	80	209	40	** Reissue independent claims over original patent	110	18	210	9	** Reissue claims in excess of 20 and over original patent	SUBTOTAL (2)				(\$) 2056.00																																																																																																																																																										
Large Entity		Small Entity		Fee Description																																																																																																																																																																																															
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																
103	18	203	9	Claims in excess of 20																																																																																																																																																																																															
102	80	202	40	Independent claims in excess of 3																																																																																																																																																																																															
104	270	204	135	Multiple dependent claim, if not paid																																																																																																																																																																																															
109	80	209	40	** Reissue independent claims over original patent																																																																																																																																																																																															
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																															
SUBTOTAL (2)				(\$) 2056.00																																																																																																																																																																																															
**or number previously paid, if greater, For Reissues, see above																																																																																																																																																																																																			
SUBMITTED BY																																																																																																																																																																																																			
Name (print/type)		Melissa L. Sistrunk		Registration No. (Attorney/Agent)	45,579																																																																																																																																																																																														
Signature				Telephone	(713) 651-3735																																																																																																																																																																																														
				Date	May 22, 2001																																																																																																																																																																																														
Fee Transmittal																																																																																																																																																																																																			
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No.EK102703101US, in an envelope addressed to: Commissioner for Patents, Washington, DC 20231, on the date shown below.																																																																																																																																																																																																			
Dated: May 22, 2001 Signature:  (Susan Hunter)																																																																																																																																																																																																			

05/22/01



PTO SB/05 (03-01)

05-23-01

A

Please type a plus sign (+) inside this box

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No. HO-P01961US1 (10012778/OTA00-63)	
(Only for new nonprovisional applications under 37 CFR 1.53(b))		First Inventor	Richard A. Lewis et al.
		Title	DIAGNOSIS AND TREATMENT OF, etc.
		Express Mail Label No.	EK102703101US
APPLICATION ELEMENTS		ADDRESS TO: Box Patent Application Commissioner for Patents Washington, DC 20231	
See MPEP chapter 600 concerning utility patent application contents.			
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)		
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.	8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)		
3. <input checked="" type="checkbox"/> Specification [Total Pages 80]	a. <input type="checkbox"/> Computer Readable Form (CRF)		
(preferred arrangement set forth below)	b. Specification Sequence Listing on:		
- Descriptive title of the invention	i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or	ii. <input type="checkbox"/> paper	
- Cross Reference to Related Applications	c. <input type="checkbox"/> Statements verifying identity of above copies		
- Statement Regarding Fed sponsored R & D			
- Reference to sequence listing, a table, or a computer program listing appendix			
- Background of the Invention			
- Brief Summary of the Invention			
- Brief Description of the Drawings (if filed)			
- Detailed Description			
- Claim(s)			
- Abstract of the Disclosure			
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 13]			
5. Oath or Declaration [Total Pages 14]			
a. <input checked="" type="checkbox"/> Unexecuted (original or copy)			
b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)			
i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).			
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76			
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:			
<input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____			
Prior application information: Examiner _____ Group / Art Unit: _____			
For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.			
19. CORRESPONDENCE ADDRESS			
<input type="checkbox"/> Customer Number or Bar Code Label		<input checked="" type="checkbox"/> Correspondence address below	
Name		FULBRIGHT & JAWORSKI L.L.P. 26271 Melissa L. Sistrunk PATENT TRADEMARK OFFICE	
Address		1301 McKinney, Suite 5100	
City	Houston	State	TX
Country	US	Zip Code	77010-3095
Telephone	(713) 651-5151	Fax	(713) 651-5246
Name (Print/Type)	Melissa L. Sistrunk	Registration No. (Attorney/Agent)	45,579
Signature	Melissa L. Sistrunk	Date	May 22, 2001